

From glowbugs@theporch.com Mon Oct 28 10:25:43 1996
Return-Path: <glowbugs@theporch.com>
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com
(8.8.2/AUX-3.1.1) with SMTP id KAA03652; Mon, 28 Oct 1996 10:13:05 -0600 (CST)
Date: Mon, 28 Oct 1996 10:13:05 -0600 (CST)
Message-Id: <199610281613.KAA03652@uro.theporch.com>
Errors-To: conard@tntech.campus.mci.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 334
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: 0

GLOWBUGS Digest 334

Topics covered in this issue include:

- 1) Re: Hammarlund Coil Forms
by EricNess@aol.com
- 2) RCA PARTS: MOST WITH PRICES lets try again
by "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
- 3) Dave Ishmael on E-Mail???
by "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
- 4) Tube tester
by "Brian Carling" <bry@mnsinc.com>
- 5) 1 tube transmitters
by stevemmo@winternet.com (Steve Moll)
- 6) Re: Tube tester
by Richard Wilkerson <richqrp@pacbell.net>
- 7) Lurker Needs Knight T-60 Ckt.
by "Edward A. Stagl" <edstagl>
- 8) Re: 1 tube transmitters
by "Brian Carling" <bry@mnsinc.com>
- 9) Tip Plugs & Tip Jacks for Headphones??
by "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
- 10) Scanned Schematics
by Gordon Gekko <gekko@nwlinc.com>
- 11) Re: Scanned Schematics
by "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>
- 12) Re: Hammarlund Coil Forms
by toyboat@freenet.edmonton.ab.ca
- 13) Re: Scanned Schematics
by "Brian Carling" <bry@mnsinc.com>

- 14) Re: Tip Plugs & Tip Jacks for Headphones??
by "Brian Carling" <bry@mnsinc.com>
- 15) Need dial cord
by Tom Bowman <tbowman@nbn.net>
- 16) Re: Scanned Schematics
by "Claton Cadmus" <aplitech@Spacestar.Net>
- 17) RCA HB-3
by linscot@is.rice.edu (Steve Linscott)
- 18) Re: Need dial cord
by jkh@lexis-nexis.com (John Heck)
- 19) Re: Homebrew UX-201A regen grid leak value?
by rdkeys@csemail.cropsci.ncsu.edu
- 20) Re: Tip Plugs & Tip Jacks for Headphones??
by rdkeys@csemail.cropsci.ncsu.edu

Date: Sun, 27 Oct 1996 12:50:42 -0500
From: EricNess@aol.com
To: toyboat@freenet.edmonton.ab.ca
Subject: Re: Hammarlund Coil Forms
Message-ID: <961027125042_1348076435@emout07.mail.aol.com>

The standard Hammarlund coil forms are 1.5 inch diameter and 2.5 inch long.
I have extra 5 pin and 6 pin Hammarlund forms, used but easily rewound, that
I am willing to trade for other glowbug parts.

73, Eric WD6DGX

Date: Sun, 27 Oct 1996 16:02:13 -0400
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
To: boatanchors@theporch.com
Subject: RCA PARTS: MOST WITH PRICES lets try again
Message-ID: <2.2.16.19961028030211.247f5950@fvmail.com>

I have tried to assign prices to this stuff...there is some that will have
to be 'offer' still....if you'd like to get a copy of this list (again)
email me..
thanks

=====]-[->
Robert Fowle KC8DBC
The HAMMARLUND Historian
Ph. 517-789-6721
1215 Winifred

Jackson, Mich. 49202-1946

E-mail: hammarlund@jacksonmi.com

Web Page: <http://www.jacksonmi.com/hammarlund>

HAMMARLUND LITERATURE WANTED

WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

=====]-[->

Boatanchors: the list: listproc@theporch.com.....subscribe boatanchors

<your name>

the news group: rec.radio.amateur.boatanchors

news group: ham-am@Listserv@ucsd.edu....Body: add ham-am

Date: Sun, 27 Oct 1996 13:33:49 -0700 (MST)

From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>

To: Glowbugs <glowbugs@theporch.com>

Subject: Dave Ishmael on E-Mail???

Message-ID: <Pine.SV4.3.91.961027133321.18613B-1000000@mesa5.mesa.colorado.edu>

Does anyone know if Dave Ishmael, WA6VVL, is on e-mail? If so, what is his e-mail address?

Thanks.

Jim W0KSD

Date: Sun, 27 Oct 1996 14:08:50 +0000

From: "Brian Carling" <bry@mnsinc.com>

To: glowbugs@theporch.com

Subject: Tube tester

Message-ID: <199610272106.QAA04295@user2.mnsinc.com>

OK guys - did I make a big mistake?

I bought a tube tester today and found out that it has some limitations.

It is a I-177-B tester.

It needs a socket adapter kit MX-949/U and will not test a lot of tubes without that socket adapter kit.

Does anyone have one? Or any ideas where I might find one?

It was not expensive and is in better shape than MOST 45 year-old tube testers I have seen!

Bry, AF4K
73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA
bry@mnsinc.com
*** See the great ham radio resources at:
<http://www.mnsinc.com/bry/>

Date: Sun, 27 Oct 1996 15:28:30 -0600 (CST)
From: stevemo@winternet.com (Steve Moll)
To: glowbugs@theporch.com
Subject: 1 tube transmitters
Message-ID: <199610272128.PAA12193@icicle.winternet.com>

Hello,

I've been following the messages for a while and while this probably has been posted previously, can anyone assist with locating plans to build a single tube transmitter using a 6V6, 6L6, 6K6, or 6W6. I would be most grateful and will pay any mailing or copying expense. Does anyone have anything like this in a graphical GIF or JPEG format?

Many thanks,

Steve Moll WA0BPU

Date: Sun, 27 Oct 1996 15:28:38 +0000
From: Richard Wilkerson <richqrp@pacbell.net>
To: bry@mnsinc.com
Subject: Re: Tube tester
Message-ID: <32737FA6.7743@pacbell.net>

Brian Carling wrote:

>
> OK guys - did I make a big mistake?
> I bought a tube tester today and found out that it has some
> limitations.
> It is a I-177-B tester.
>
> It needs a socket adapter kit MX-949/U and will not test a lot of
> tubes without that socket adapter kit.

> Does anyone have one? Or any ideas where I might find one?
>
> It was not expensive and is in better shape than MOST 45 year-old
> tube testers I have seen!
>
> Bry, AF4K
> 73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA
> bry@mnsinc.com
> *** See the great ham radio resources at:
> <http://www.mnsinc.com/bry/....>
OK while on the subject..I have a old Electronic Measurements Corp. tube
tester..model 204..can anyone tell me anything about it?? Thanks Rich
WD6FDD.

Date: Sun, 27 Oct 1996 23:53:54 +0000
From: "Edward A. Stagl" <edstagl>
To: glowbugs@theporch.com
Subject: Lurker Needs Knight T-60 Ckt.
Message-ID: <19961027235350.AAB2520@LOCALNAME>

Hi to everyone, Enjoy the list and all the comments and questions
and I have learned a great deal in the past few months from the many
in-depth and detailed responses.

Although I built a regenerative receiver as a 12-year old
(with help from an older brother), my interests in radio and
electronics have been somewhat latent and sporadic over the years.
I did manage to build a few small projects, some with
tubes...(it was quite a thrill to hear Big Ben on BBC) and more recently,
a solid state QRP transceiver (sorry for the 2 counts of blasphemy)...
that produced a few thrills of it's own !!

Now, in atonement, I'm starting to rebuild a Knight T-60 transmitter.
If anyone in the group has a manual or just the ckt for that rig,
please let me know. (I will gladly pay for copying, S&H, etc)

73 Ed N2GVS edstagl@worldnet.att.net

Date: Sun, 27 Oct 1996 18:40:27 +0000
From: "Brian Carling" <bry@mnsinc.com>
To: stevemo@winternet.com (Steve Moll)
Subject: Re: 1 tube transmitters
Message-ID: <199610280137.UAA18726@user2.mnsinc.com>

HEY! It's a reply from AF4K!
On 27 Oct 96, Steve Moll wrote:

> Hello,
>
> I've been following the messages for a while and while this probably
> has been posted previously, can anyone assist with locating plans to
> build a single tube transmitter using a 6V6, 6L6, 6K6, or 6W6. I
> would be most grateful and will pay any mailing or copying expense.
> Does anyone have anything like this in a graphical GIF or JPEG
> format?

Some of us are working on it Steve!
Slow progress here because the scanner software eats up so darn much
hard drive space!
73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA
bry@mnsinc.com
*** See the great ham radio resources at:
<http://www.mnsinc.com/bry/>

Date: Sun, 27 Oct 1996 19:53:11 -0700 (MST)
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>
To: Glowbugs <glowbugs@theporch.com>
Subject: Tip Plugs & Tip Jacks for Headphones??
Message-ID: <Pine.SV4.3.91.961027195236.11592A-100000@mesa5.mesa.colorado.edu>

Does anyone know where I can get some of the old style tip plugs and tip
jacks like used to be used with high impedance headphones? I need to do
some repairs.

Thanks.

Jim WOKSD

Date: Sun, 27 Oct 1996 19:16:06 -0800 (PST)
From: Gordon Gekko <gekko@nwlink.com>
To: glowbugs@theporch.com
Subject: Scanned Schematics
Message-ID: <199610280316.TAA21027@montana.nwlink.com>

Just an update on the schematic scanning:

I will be scanning all of the original schematics tomorrow and Tuesday to be made available to the group. I am experimenting with ways to get .jpg and .gif formats to retain the subtle detail of the originals. The .bmp format seems, from my experience scanning schematics, far superior to the compressed formats. The other methods tend to drop out little details on the horizontal plane, such as circuit lines and part values. But I will come up with something that works for everyone, I am sure.

Opinion Poll:

I have an extra computer (486-66) that is in my ham shack that has a 1 gig hard drive, most of which is totally unused. If there is a general interest in the scanned schematics, I would be happy to start an archive. The way it would work is anyone with a hard copy could send me a copy, and I would scan it and index the project. Anyone with an already scanned image could email it to me and I would do the same. I would post regular updates listing what new circuits I have available. As long as the volume of submissions was sane, I wouldn't mind taking on the project, if there is interest.

Please post your opinions to the group if you think this would be a worthwhile project.

Meantime, look for a list of stuff I now have in the next day or so.

73's

Dave
gekko@nwlink.com

Date: Sun, 27 Oct 1996 22:44:47 -0600
From: "Robert M. Bratcher Jr." <bratcher@worldnet.att.net>
To: gekko@nwlink.com
Cc: glowbugs@theporch.com
Subject: Re: Scanned Schematics
Message-ID: <1.5.4.32.19961028044447.006aee00@postoffice.worldnet.att.net>

At 03:17 AM 10/28/96 +0000, you wrote:

>

>
>Just an update on the schematic scanning:
>
>I will be scanning all of the original schematics tomorrow and Tuesday
>to be made available to the group. I am experimenting with ways to
>get .jpg and .gif formats to retain the subtle detail of the originals.
>The .bmp format seems, from my experience scanning schematics, far superior
>to the compressed formats. The other methods tend to drop out little details
>on the horizontal plane, such as circuit lines and part values. But I
>will come up with something that works for everyone, I am sure.
>

I have no problem with the BMP format myself. If you lose detail with
compressed formats then it's not worth it. Just save all the detail in BMP.

Robert M. Bratcher Jr.

E-mail to:

bratcher@worldnet.att.net

Record collector, 8mm, super 8, 16 and 35mm Film collector.

I like old radio's too.

Collins, Hallicrafters, National & Hammurand are my Favorites!

Date: Sun, 27 Oct 1996 21:42:05 -0700 (MST)
From: toyboat@freenet.edmonton.ab.ca
To: EricNess@aol.com
Cc: glowbugs@theporch.com
Subject: Re: Hammarlund Coil Forms
Message-ID: <Pine.A41.3.95.961027204204.17082A-1000000@freenet.edmonton.ab.ca>

On Sun, 27 Oct 1996 EricNess@aol.com wrote:

> The standard Hammarlund coil forms are 1.5 inch diameter and 2.5 inch long.
> I have extra 5 pin and 6 pin Hammarlund forms, used but easily rewound, that
> I am willing to trade for other glowbug parts.

> 73, Eric WD6DGX

Hello,

Thanks very much for the information. Most of these forms vary
between 1 1/4" and 1 1/2", so it is helpful to know "fer shur".

I'm into "rolling my own" for now, so I'm going to fudge my forms with

PVC, ABS, or dowl. I wish that I had enough stuff for trading stock! However, I'm still building up a "junque boxe".

Today I latched on to some useful TV tubes which I can use for regens and low-powered Hartleys. Great price, free! (Nice to have a brother who saves old TV chassis.)

I got a dwarf-clone of the 6SN7 (medium mu twin triode) in the form of an 8CG7/8FQ7. It's great because, except for less power, it's identical electrically, and is common in 70's hybrid TV sets. It will work well in 45 volt battery B+ two-tubers, just like the 6J5 and 6F8G relatives of the 6SN7.

A favorite QST article of mine uses a 6F8G in the classic two-tuber format (one 6F8G), with 3VDC (sez it woiks better!) on the heater, so I'm guessing that 4.5VDC should work nicely with the 8 volt midget upstart. (QST, JUNE 1938 "A Simple One-Tube Receiver")

Should also work with lower plate voltage in Bob Keys "Grammer" Hartley.

Also got some 6GH8A tubes which appear to be a plug-in replacement for 6U8A's. Several Lew McCoy projects favour the 6U8A, so I'm saving these for such. The triode section of either is medium mu, very much like 6J5's (with the pentode section not used).

For battery two-tubers which seek to emulate #30's, 01A's, 99's, 1H4G's (at least electrically), these TV minis would be worthwhile, I think.

I would think that these tubes should be easy to scrounge locally just about anywhere in North America, so I thought that I would mention them to the group for consideration. (I do ramble.)

Thanks again for the coil form info, Eric.

```
*****
** Shane <toyboat@freenet.edmonton.ab.ca> **
*****
** Edmonton, Alberta, Canada **
*****
```

Date: Mon, 28 Oct 1996 03:18:03 +0000
From: "Brian Carling" <bry@mnsinc.com>
To: gekko@nwlinc.com, glowbugs@theporch.com
Subject: Re: Scanned Schematics
Message-ID: <199610281015.FAA03778@user2.mnsinc.com>

HEY! It's a reply from AF4K!
On 27 Oct 96, Gordon Gekko wrote:

> Opinion Poll:
>
> I have an extra computer (486-66) that is in my ham shack that has a
> 1 gig hard drive, most of which is totally unused. If there is a
> general interest in the scanned schematics, I would be happy to
> start an archive. The way it would work is anyone with a hard copy
> could send me a copy, and I would scan it and index the project.
> Anyone with an already scanned image could email it to me and I
> would do the same. I would post regular updates listing what new
> circuits I have available. As long as the volume of submissions was
> sane, I wouldn't mind taking on the project, if there is interest.
>
> Please post your opinions to the group if you think this would be a
> worthwhile project.

Yes, yes! I will do my scanning to .BMP format also.
I have been displeased with the results of scans to JPG and GIF
format when it involves B/W images for the same reasons you cite.

I have no such luxury of a 1 gig HD. Mine is 220 Meg and has to
accomodate EVERYTHING I use!

I have the Microtek Page Wiz scanner here ready to go, but have never

used it due to low space on drive!

73 - Bry

73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA

bry@mnsinc.com

*** See the great ham radio resources at:

<http://www.mnsinc.com/bry/>

Date: Mon, 28 Oct 1996 03:18:03 +0000

From: "Brian Carling" <bry@mnsinc.com>

To: jrybak@mesa5.Mesa.Colorado.EDU, glowbugs@theporch.com

Subject: Re: Tip Plugs & Tip Jacks for Headphones??

Message-ID: <199610281015.FAA03784@user2.mnsinc.com>

HEY! It's a reply from AF4K!

On 27 Oct 96, James P. Rybak wrote:

> Does anyone know where I can get some of the old style tip plugs and
> tip jacks like used to be used with high impedance headphones? I
> need to do some repairs.

>

> Thanks.

>

> Jim WOKSD

James I am pretty sure I saw a parts dealer with some at the hamfest
I went to yesterday.

Either Bill Barrick

(610) 933-0369

or

Sauder Electronics

(717) 865-5001

Both are in PA.

I hope that helps you.

73 from Radio AF4K / G3XLQ in Gaithersburg, MD USA

bry@mnsinc.com

*** See the great ham radio resources at:

<http://www.mnsinc.com/bry/>

Date: Mon, 28 Oct 1996 07:06:12 -0400

From: Tom Bowman <tbowman@nbn.net>

To: glowbugs@theporch.com
Subject: Need dial cord
Message-ID: <2.2.32.19961028110612.006cbb90@nbn.net>

I have two receivers that need their dials restrung and I'm looking for a few feet of quality dial cord. As a kid - gee, I guess that's 40 years ago - I remember spools of the General Cement stuff on a shelf in the local parts store.

Well, the parts store was torn town long ago and a 24-hour convenience store stands where I bought resistors, capacitors and an occasional tube. But my S-38C and my friend's National receiver need dials restrung.

Anyone willing to sell me a spool of the dial cord or at the least about 10 or 12 foot of it?

Thanks much,

Tom
WA3REY

Tom Bowman, WA3REY <>< Mount Gretna, PA 17064 tbowman@nbn.net

Date: Mon, 28 Oct 1996 07:34:18 -0600
From: "Claton Cadmus" <aplitech@Spacestar.Net>
To: <gekko@nwlinc.com>, "Multiple recipients of list" <glowbugs@theporch.com>
Subject: Re: Scanned Schematics
Message-ID: <199610281357.HAA04129@Spacestar.Net>

Gordon wrote:

> The .bmp format seems, from my experience scanning schematics, far superior
> to the compressed formats. The other methods tend to drop out little details
> on the horizontal plane, such as circuit lines and part values. But I
> will come up with something that works for everyone, I am sure.

Leave them in .bmp format and then compress them with PkZip. This will give you a file size about the same as a gif, but retain the detail.

Hope this helps.

Claton Cadmus |73 de KA0GKC
Application Technologies Inc. |ARRL, QRP-ARCI, NorCal
Ph. (612)926-8886 |ARCC, MNQRP&HB Society
Fax (612)926-8545 |ka0gkc@ka0gkc.ampr.org
E-mail cla@spacestar.net |ka0gkc@wb0gdb.#stp.mn.us

Date: Mon, 28 Oct 1996 08:13:21 -0600 (CST)
From: linscot@is.rice.edu (Steve Linscott)
To: glowbugs@theporch.com
Subject: RCA HB-3
Message-ID: <v01540b01ae9a29380ce3@[128.42.14.170]>

I got lots of proposals, and the books have found a new home. Thanks to all who responded.

73 de W5EGP

- Steve -

* Steve Linscott Divisional Consultant Natural Sciences *
* Rice University 6100 South Main Street Houston, Texas 77005-1892 *
* Phone: (713) 527-4985 FAX: (713) 527-6099 Email: linscot@rice.edu *

Date: Mon, 28 Oct 96 09:26:12 EST
From: jkh@lexis-nexis.com (John Heck)
To: glowbugs@theporch.com, tbowman@nbn.net
Subject: Re: Need dial cord
Message-ID: <9610281426.AA12168@beans.lexis-nexis.com>

Folks,
If you don't already have a copy of the catalog from
Antique Electronic Supply
6221 South Maple Avenue
Tempe, Arizona 85283
(602)-820-5411

FAX (800)-706-6789

you oughta get one because it has a lot of this kinda stuff in it. Phone tips, and dial cord, and tube bases and coil forms, etc.

REgards,

John Heck, KC8ETS

Dayton, Ohio

jkh@lexis-nexis.com

> I have two receivers that need their dials restrung and I'm looking for a

> few feet of quality

> dial cord. As a kid - gee, I guess that's 40 years ago - I remember spools

> of the

> General Cement stuff on a shelf in the local parts store.

>

> Well, the parts store was torn town long ago and a 24-hour convenience store

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> where I bought resistors, capacitors and an occasional tube. But my S-38C and

> my friend's National receiver need dials restrung.

>

> Anyone willing to sell me a spool of the dial cord or at the least about 10

> or 12 foot of it?

>

> Thanks much,

>

> Tom

> WA3REY

>

> -----

>

> Tom Bowman, WA3REY <>< Mount Gretna, PA 17064 tbowman@nbn.net

>

>

Date: Mon, 28 Oct 1996 10:49:00 -0500 (EST)

From: rdkeys@csemail.cropsci.ncsu.edu

To: wallace@world.std.com

Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com

Subject: Re: Homebrew UX-201A regen grid leak value?

Message-ID: <9610281549.AA106389@csemail.cropsci.ncsu.edu>

> So I need suggestions for the following: what is the proper filament

> and plate voltage for a UX-201A tube? And what value resistor (if that's

> all I need) should I use for the leak, 'til I can scrounge up a real McCoy?

Typically in regen detector use, the filament voltage was a 6 v battery run through the filament control resistor to give about 4 volts on the filament. The usual voltage under normal usage was 5 volts. But, they

should be run in general detector service at the LOWEST voltage possible consistent with good gain and smooth regeneration. On my set, that value can be anywhere from about 3.75 volts up to about 4.5 volts, usually best at right around 4.0 volts on the detector filament and first audio filament. That is with output to tin can fones.

Plate voltages in detector service were typically 22.5-45 volts. I prefer 36 volts, and that gives me the best amplification and regeneration control. Audio stages usually ran 45 volts or 67.5 volts although sometimes they were run at 90 volts. Only in big broadcast sets were they run at the max of 135 volts in audio service. Try to use the lowest voltages that give good regeneration and reasonable gain. When the higher voltages are used (above 45 volts) you need to use proper C- biasing on the audio grids or they will not work quite as well.

The grid resistor typically was 1 to 3 meg ohms. In my receivers I prefer a higher value, typically 10 meg ohms for best sensitivity. It depends a lot upon the value of grid capacitor. Usually grid capacitors for low HF and MF are in the neighborhood of 250pf. If it is that size, then stick to a 1 to 3 meg ohm leak. If it happens to be 100pf, try the 10 meg ohm size. The grid resistors are cartridges that have small pointed brass knobs on each end and the point of the knob fits into the holes in the grid leak mounts (screwed to the grid capacitor terminals). They are not very common, but do surface occasionally at antique radio hamfests. I am sure there are a few floating around the BA/GB circles. I may have a spare one if I dig a little.

> This thing has tapped coils so maybe I can get it on the 80m GB
> freq sometime. :-)

Tapped coils would be strange on a traditional regen set. If the coils are 4 pin, they usually will have the main tuning and a ticker winding. If the coils are 5 pin they will typically have an added antenna coil grounded together with the bottom of the main tuning coil. If they are 6 pin, then the antenna coil comes out separately on both ends. Tapped coils might possibly be used with LF or MF coils, but generally not for amateur coils on 200 meters and down. The tap would usually be the antenna connection point.

> 73,
> --Andy
> wallace@world.std.com

My intuition would suggest that it was probably a broadcast receiver design modified for 200 meters and down operation in amateur use.

Sounds like you have a good basis for a great little receiver, Andy!

73/ZUT DE NA4G/Bob UP

Date: Mon, 28 Oct 1996 10:54:47 -0500 (EST)
From: rdkeys@csemail.cropsci.ncsu.edu
To: jrybak@mesa5.mesa.colorado.edu
Cc: rdkeys@csemail.cropsci.ncsu.edu (), glowbugs@theporch.com
Subject: Re: Tip Plugs & Tip Jacks for Headphones??
Message-ID: <9610281554.AA106399@csemail.cropsci.ncsu.edu>

> Does anyone know where I can get some of the old style tip plugs and tip
> jacks like used to be used with high impedance headphones? I need to do
> some repairs.
>
> Thanks.
> Jim WOKSD

AES has them at 5 bucks for a pack of 10, according to their new 1997 catalog.
73/ZUT DE NA4G/Bob UP

End of GLOWBUGS Digest 334
